

What is I B S?

IBS, the Intercollegiate Broadcasting System, is an association* of college campus broadcasting stations. Its purpose is to pool the resources of these stations to meet their common problems. It is not limited to any one area, but now has reached from coast to coast in the United States and into Canada. About three thousand people work on the student staffs of IBS stations, and over one-hundred fifty thousand are reached by their broadcasts.

It all started at Brown University in 1936 when students George Abraham and David Borst began exchanging programs over a wire between their rooms. They experimented with the transmission of a radio signal over wires to reach specific, limited reception areas, and out of that experiment grew all of today's campus stations. Other colleges quickly picked up the idea and by 1940 there were 13 stations - enough to found the Intercollegiate Broadcasting System. IBS has been the spokesman and clearing house of campus radio ever since, with the same two founders among its chief executives.

Who Belongs?

IBS stations are broadcasting stations whose reception area is limited to the college campus and associated buildings. (The terms "carrier-current," "wired radio," and limited-area broadcasting" are variously used to describe this form of transmission. We prefer the latter). They are operated largely by students and are organized as extra-curricular activities. A list of the stations now in operation and under construction is included in this booklet.

Is it Legal?

Of course. IBS stations operate under Rule 2.102 of the Federal Communications Commission which specifies that the maximum field strength of the radio signal must not exceed fifteen microvolts per meter (inaudible on an ordinary receiver) at any point at a distance of λ (the wave length) divided by 2π from the nearest part of the transmission system. For frequencies in the lower portion of the broadcast band, such as campus stations use, this distance is around 200 feet. The transmission system may include wire lines installed by the station or leased from others, and power lines into which the signal is coupled. Since the signal is carried by these mediums to the specific locations where reception is desired, no interference is caused to distant broadcast stations on the same frequencies, and because of their compliance with the above cited rule, campus stations are exempt from many of the provisions of FCC licensing procedure. For example, licensed operators are not required to operate the station, and the station itself need not be licensed by the Commission. The call letters of campus stations are assigned by the Commission, however, and all stations of the System are registered with them. The IBS maintains an office in Washington to cooperate actively with the Commission and to represent all campus stations before them.

How do stations work together?

Campus stations in different colleges cooperate through the Intercollegiate Broadcasting System. Information on all phases of radio is collected in the IBS offices in New York, Washington, and Schenectady, N.Y., and is incorporated in the many books, booklets, magazines, and newsletters that IBS publishes. Similarly, there are meetings of campus station personnel in different regions, and a national convention once a year when panel meetings are

*A non-profit Corporation under the laws of Rhode Island (where IBS was founded)

held on many aspects of campus radio and experts from professional radio speak and participate.

A group of alumni experienced in different phases of radio are always available to advise stations on difficult problems, and the experience of each station is made available to all. Free consultation is available on all the technical aspects of radio, including engineering, audience research, business administration, program structure, and personnel training.

IBS maintains script and transcription libraries on which any station may draw, and exchanges programs among its members by script, transcription, network lines leased from the telephone companies, and short wave radio.

IBS operates networks of campus stations, setting them up wherever the concentration of stations is sufficient to make their operation practicable. These regional networks are connected into larger groups at certain hours, and programs of general interest from the member stations are circulated. Isolated stations receive network programs on transcriptions.

What about programs?

Most IBS stations follow the tested schedule of popular music, disc jockeys and specialized musical programs in the early evening; feature programs, including network presentations, from 8:00 to 10:00 and music, mostly symphonic, after 10:00. Most stations operate from 7:00 to 11:00 on weekdays. Larger stations run additional hours before and after this period.

Programs and promotion are directed toward the interests and preferences of the specialized student audience. News of activities in colleges receives detailed coverage in newscasts, both local and network, and in documentary programs. College sports are covered by extensive reporting as well as play-by-play broadcasts. Feature programs are made up with college interests in mind.

A continuing program of audience research on a national scale makes available information on the listening habits and preferences of the student audience, which is collected, analysed, and published by IBS.

The program policy of the System is dedicated to the circulation of the best work of member stations in all fields of radio programming, to provide for each station a well-rounded service of programs especially designed for the campus audience and not available elsewhere. In network and syndicated programs, emphasis is placed on material which individual stations cannot practicably produce locally, particularly news, international features, and programs featuring nationally known figures.

Who runs it?

Each member station of IBS has a student staff with from four to a dozen officers who are elected or appointed in accordance with prevailing practice at that college. Each station has a faculty advisor or advisory committee.

These organizations, in turn, run the national System. Each full member station has a vote in determining the policies of the System and electing the Board of Directors. Full membership is open to organizations operating campus radio stations on a non-profit basis (either commercially or non-commercially) if they conform to the Codes of Practice of the System and are authorized by the administration of the college. Full members support the activities of IBS by the payment of dues proportional to their income.

Trial Status is open to organizations with campus stations under construction. Groups "on trial" are provided with technical and organizational information and advice, but programs and programming material are not available to them. This status is extended free of charge, but is applicable only as long as a station is actually under construction or in the process of organization.

Affiliate Status is available to radio workshops and similar organizations which produce programs but do not own or operate broadcast facilities, and to college-operated standard AM or FM stations designed to serve the general public.

Facilities required:

The equipment used by campus stations is similar to that used by standard broadcast stations, but transmitter power is much lower and the signal is carried by a transmission system to the listening area.

Studio equipment may be purchased from the manufacturers who serve the radio industry, and IBS has published recommendations on this equipment. Considerable savings may be effected by using equipment built by students from designs published by IBS. In any event, the station's transmitter will have to be built to order, either by students or by a radio engineer.

The transmission system is the key to the design problem. It is determined by the requirements of the campus, and must be designed individually for each college. The transmission system, in turn, determines the size and type of transmitter required.

Further information and consultation is available from.....

The Intercollegiate Broadcasting System, 507 Fifth Avenue, New York 17, N.Y.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
CHICAGO, ILLINOIS 60637

TO THE EDITOR OF THE JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
FROM THE DEPARTMENT OF CHEMISTRY, UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS 60637

RE: [Illegible Title]
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INTERCOLLEGIATE BROADCASTING SYSTEM

Member Stations - August 1947

<u>Call</u>	<u>College or University</u>	<u>Location</u>
WABP	Alabama, University of	University, Alabama
KBYU	Brigham Young University	Provo, Utah
✓ WBRU	Brown University	Providence, Rhode Island
✓ WBMC	Bryn Mawr College	Bryn Mawr, Pennsylvania
WVBU	Bucknell University	Le wisburg, Pennsylvania
WCIT	Carnegie Institute of Technology	Pittsburgh, Pennsylvania
WKCR	Columbia University	New York, New York
✓ WHUS	Connecticut, University of	Storrs, Connecticut
✓ WVBR	Cornell University	Ithaca, New York
WGTB	Georgetown University	Washington, D. C..
WHC	Hamilton College	Clinton, New York
✓ WHCN	Harvard University	Cambridge, Massachusetts
✓ WHRC	Haverford College	Haverford, Pennsylvania ✓
KUOI*	Idaho, University of	Moscow, Idaho
WMNC	MacMurray College	Jacksonville, Illinois
WMWC	Mary Washington College	Fredericksburg, Virginia
WNCS	North Carolina State College	Raleigh, North Carolina
WOUN	Ohio University	Athens, Ohio
WONC	Olivet Nazarene College	Kankakee, Illinois
KAEO	Pacific, College of the	Stockton, California
✓ WXPB	Pennsylvania, University of	Philadelphia, Pennsylvania
WPRU	Princeton University	Princeton, New Jersey
✓ WRAD	Radcliffe College	Cambridge, Massachusetts
KSLI	St. Lawrence University	Canton , New York
KWWC	Stephens College	Columbia, Missouri
✓ WSRN	Swarthmore College	Swarthmore, Pennsylvania
WRTC	Trinity College	Hartford, Connecticut
WRUC	Union College	Schenectady, New York
✓ WBS	Wellesl ey College	Wellesl ey, Massachusetts
WES	Wesleyan Un iversity	Middletown, Connecticut
✓ WMS	Williams College	Williamstown, Massachusetts ✓

*Non-commercial station

New Members and changes indicated in red .

INTERCOLLEGIATE BROADCASTING SYSTEM

Trial and Affiliate Stations

August 1947

<u>Call</u>	<u>College or University</u>	<u>Location</u>	<u>Status</u>
WAMC	American University	Washington, D. C.	Trial
ABS	Antioch College	Yellow Springs, Ohio	Trial
WABC	Bard College	Annandale-on-Hudson, New York	Trial
	Baylor University	Waco, Texas	Trial
WWBN	Bethany College	Bethany, West Virginia	Trial
	Bowling Green State Univ.	Bowling Green, Ohio	Trial
	Clarkson College	Potsdam, New York	Trial
WVOB	Colorado State College of Ed.	Greeley, Colorado	Trial
WBVD	Connecticut, University of:		
	Fort Trumbull Branch	New London, Connecticut	Trial
	Denver, University of	Denver, Colorado	Trial
WECH	Emerson College	Boston, Massachusetts	Trial
WRWS	Endicott Union College	Beverly, Massachusetts	Trial
WWGC	Gettysburg College	Gettysburg, Pennsylvania	Trial
WHOV	Hampton Institute	Hampton, Virginia	Trial
KHSC	Humboldt State College	Arcata, California	Affiliate
WRPI	Illinois, University of	Urbana, Illinois	Trial
WKNO	Knox College	Galesburg, Illinois	Trial
WJRH	Lafayette College	Easton, Pennsylvania	Trial
WLRN	Lehigh University	Bethlehem, Pennsylvania	Trial
KALU	Loyola University	Los Angeles, California	Trial
WMTB	Manchester College	North Manchester, Indiana	Trial
WUOM	Maryland, University of	College Park, Maryland	Trial
	McGill University	Montreal, Quebec	Trial
WMUB	Miami University	Oxford, Ohio	Trial
	Mohawk College	Utica, New York	Trial
	Montana State College	Bozeman, Montana	Trial
WMST	Murray State Teacher's Coll.	Murray, Kentucky	Trial
KUVY	Oklahoma, University of	Norman, Oklahoma	Trial
WBSD	Olivet College	Olivet, Michigan	Trial
KTJO	Ottawa University	Ottawa, Kansas	Trial
KCVN	Pacific, College of the	Stockton, California	Affiliate
	Queen's University	Kingston, Ontario	Affiliate
	Rensselaer Polytechnic Inst.	Troy, New York	Trial
WHOE	Rhode Island State College	Kingston, Rhode Island	Trial
	Russell Sage College	Troy, New York	Affiliate
WRSU	Rutgers University	New Brunswick, New Jersey	Trial
WUSC	South Carolina, University of	Columbia, South Carolina	Trial
KSMU	Southern Methodist University	Dallas, Texas	Trial
KSU	Stanford University	Stanford University, Calif.	Trial
	Texas College of Mines	El Paso, Texas	Trial
	Texas State College for Women	Denton, Texas	Trial
WUVA	Virginia, University of	Charlottesville, Virginia	Trial

Notes

Trial Groups....Campus stations contemplated or under construction
 Affiliate.....Broadcasting or programming group not operating carrier-current
 campus station. Includes educational standard broadcast stations,
 educational FM stations, and radio workshops.

New members and changes indicated in red

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Directors and Staff

President: RUSSELL POTTER PhD.
Director, Institute of Arts and Sciences, Columbia University,
New York

Vice-President: ROGER CLIPP
General Manager, Station WFIL, Philadelphia

Secretary: JUDITH WALLER
Director, Public Service Department, National Broadcasting
Company, Chicago

Treasurer: GUY DELLA GIOPPA
Assistant to Chairman of the Board, Columbia Broadcasting System,
New York

Directors: R. R. LOWDERMILK PhD.
Educational Radio Specialist, United States Office of Education,
Washington, D.C.

MORRIS NOVIK
Public Service Radio Consultant; Executive Secretary, National
Association of Educational Broadcasters, New York

ROBERT B. HUDSON
Director of Education, Columbia Broadcasting System, New York

Executive Officers:

GEORGE ABRAHAM, Executive Chairman
Founder of the first campus station and of IBS. Washington

DAVID BORST, Technical Manager
Co-founder of the first station. Schenectady, N.Y.

DAVID LINTON, Program Manager
Former manager of WSRN, Swarthmore. New York

PAUL YERGIN, Business Manager
Former manager of UCRS, Union College. New York

SONIA-JANE BROWN, Station Relations Manager
Former officer of WBRU, Brown. New York

Alan Rich, Music Director
Harriet Linton, Research Director
Kurt Shell, Director of International Broadcasts

Victor Rosenblum

City College of New York

Assistant Business Manager

Advisory Personnel

Herbert Barlow

United States Patent Office
Washington

Audio Engineering

Page Boyer

Free-lance actor and director
New York

Production

~~Gordon Graham~~

Westinghouse Corporation
Boston

General Engineering

Gladden Houck Jr.

Sorenson Corp.
Stamford, CConn.

General Engineering

William R. Hutchins

Station WFMR (FM)
New Bedford, Mass.

Audio and Acoustical Engineering

Tak Kako

Columbia University
New York

Production

~~Richard Kaye~~

Station WBLS
Boston

Audio Engineering

H. C. Robbins Landon

Musical Correspondent
(Europe)

Robert Mills

Radio Engineering

Clement Moritz

Philco Corporation
Philadelphia

Radio Engineering

F. John Pessolano Jr. University of Pittsburgh
Pittsburgh

Music, Drama

William Saunders

Station WTRY
Troy, New York

Programming

B. Sheldon Sprague

Celanese Corporation
New York

General Engineering

William Sullivan

Hedgerow Theatre
Moylan, Penna.

Drama

Howard E. Tompkins

University of Pennsylvania
Philadelphia

Audio and Acoustical Engineering

William Fuller

Los Alamos, New Mexico

General Engineering

Thomas J. Wertenbaker Jr. Station WNBH
New Bedford, Mass.

Management

Joel Chaseman

Station WSCR
Scranton, Penna

Popular Music